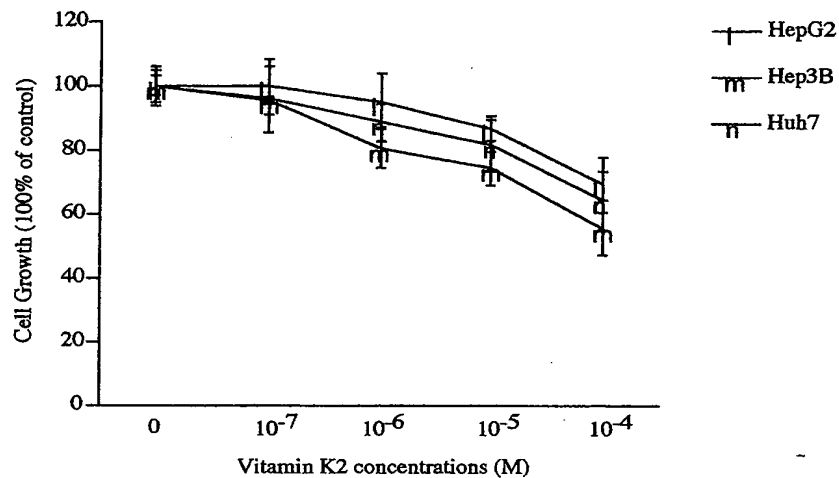


FIG. 1(a)

Effect of Vitamin K2 (48 h) on the proliferation of HCC cells



Effect of Vitamin K2 on the expression of the cyclin dependent kinase (Cdk) inhibitors (p27, p21, p16)

FIG. 1(b)

RT-PCR

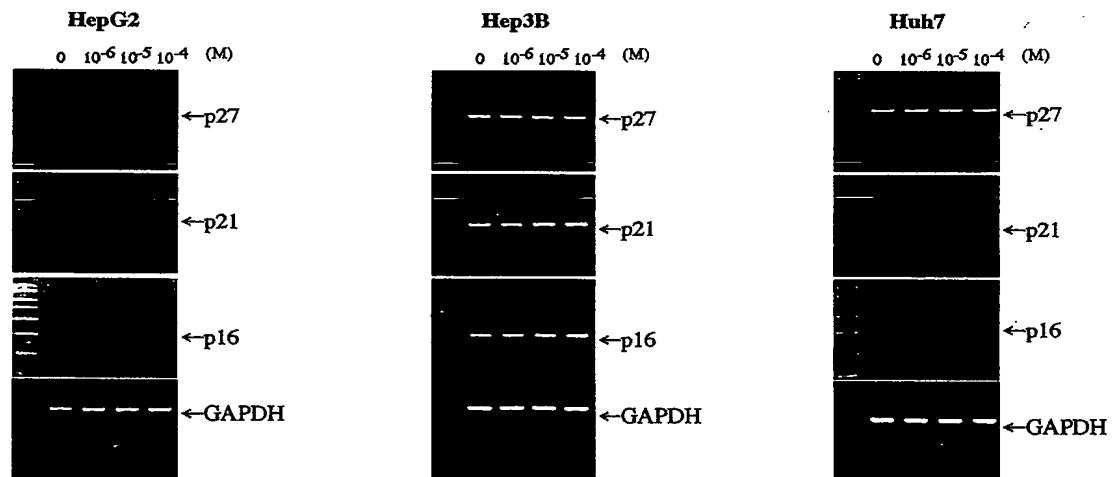


FIG. 1(c)

Western blot

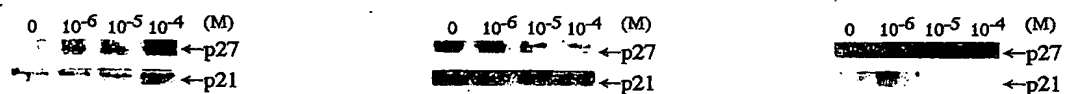


FIG. 2

Vitamin K2 inhibited HCC cells proliferation through G1 arrest

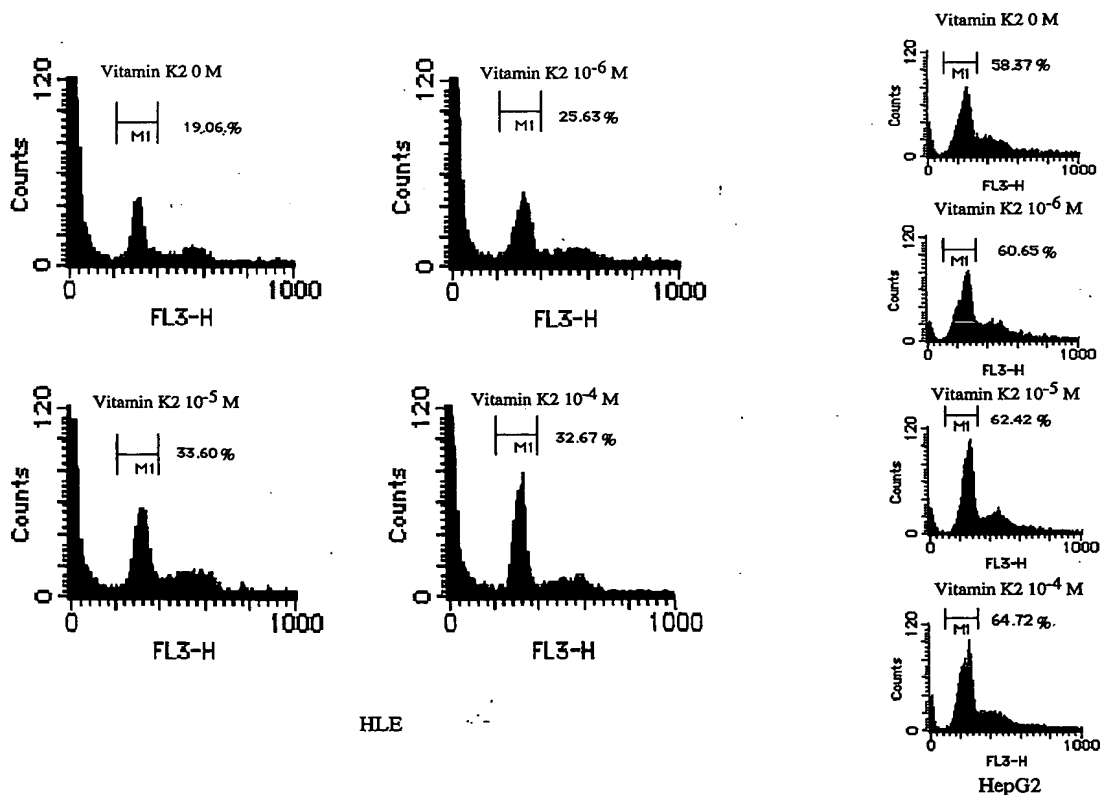
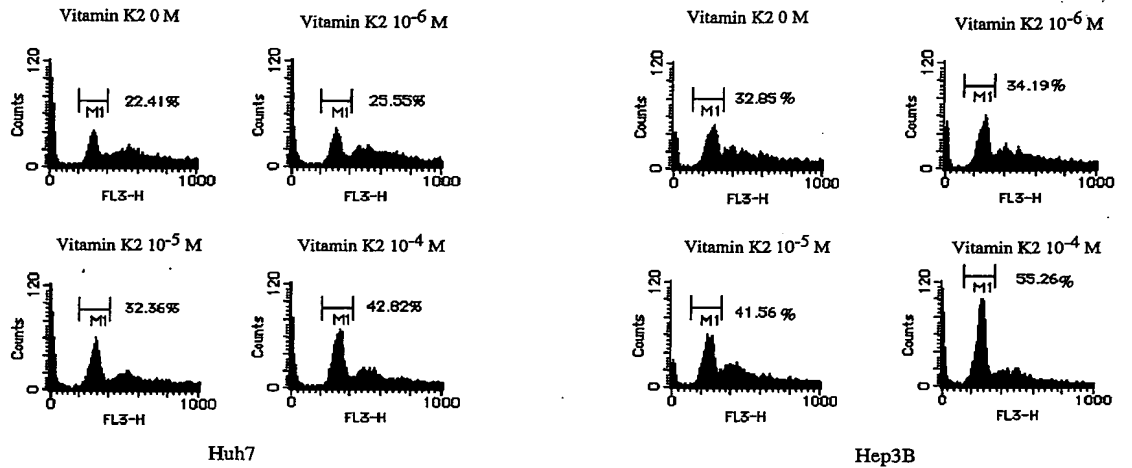


FIG. 3

Vitamin K₂ dose-dependently inhibit the invasiveness of HepG2 cells

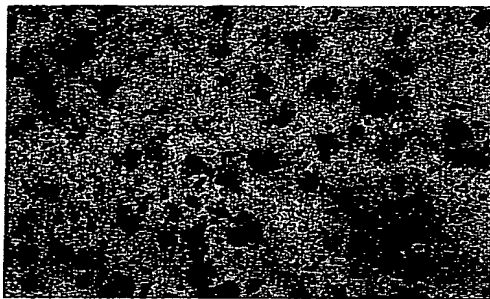
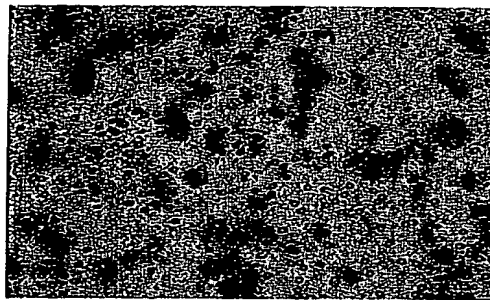
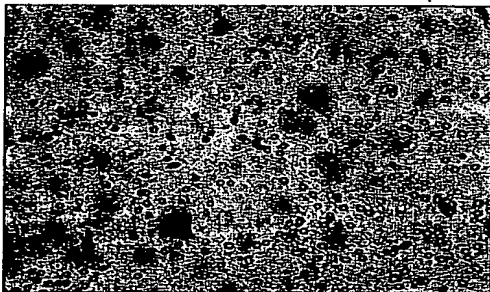
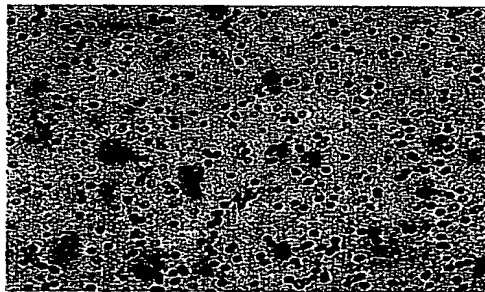
Vitamin K₂ 0 MVitamin K₂ 10⁻⁶ MVitamin K₂ 10⁻⁵ MVitamin K₂ 10⁻⁴ M

FIG. 4

Effect of Vitamin K2 on the mRNA expression of some invasion-related fact

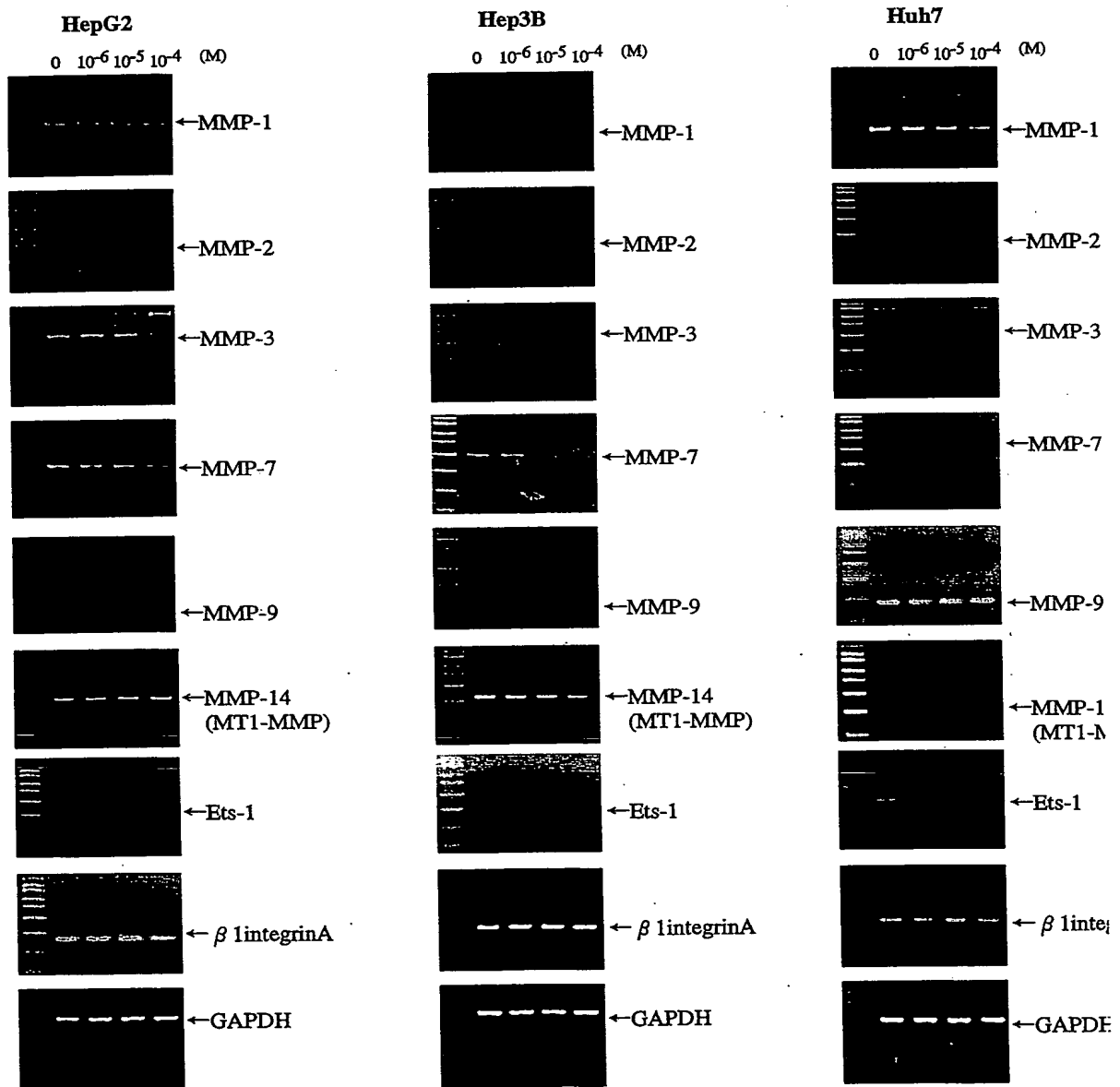


FIG. 5

Vitamin K2 inhibit the expression of MMP-1 and MMP-3 protein in hepatoma cells

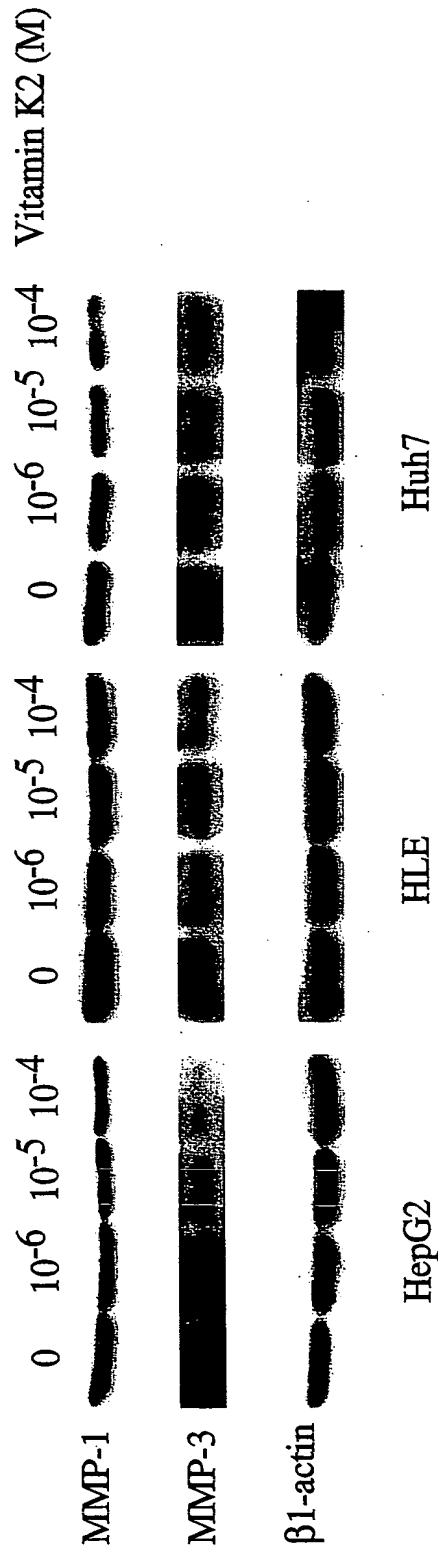


FIG. 6

Effect of Vitamin K2 on AP-1 transcriptional factor by Gel Shift

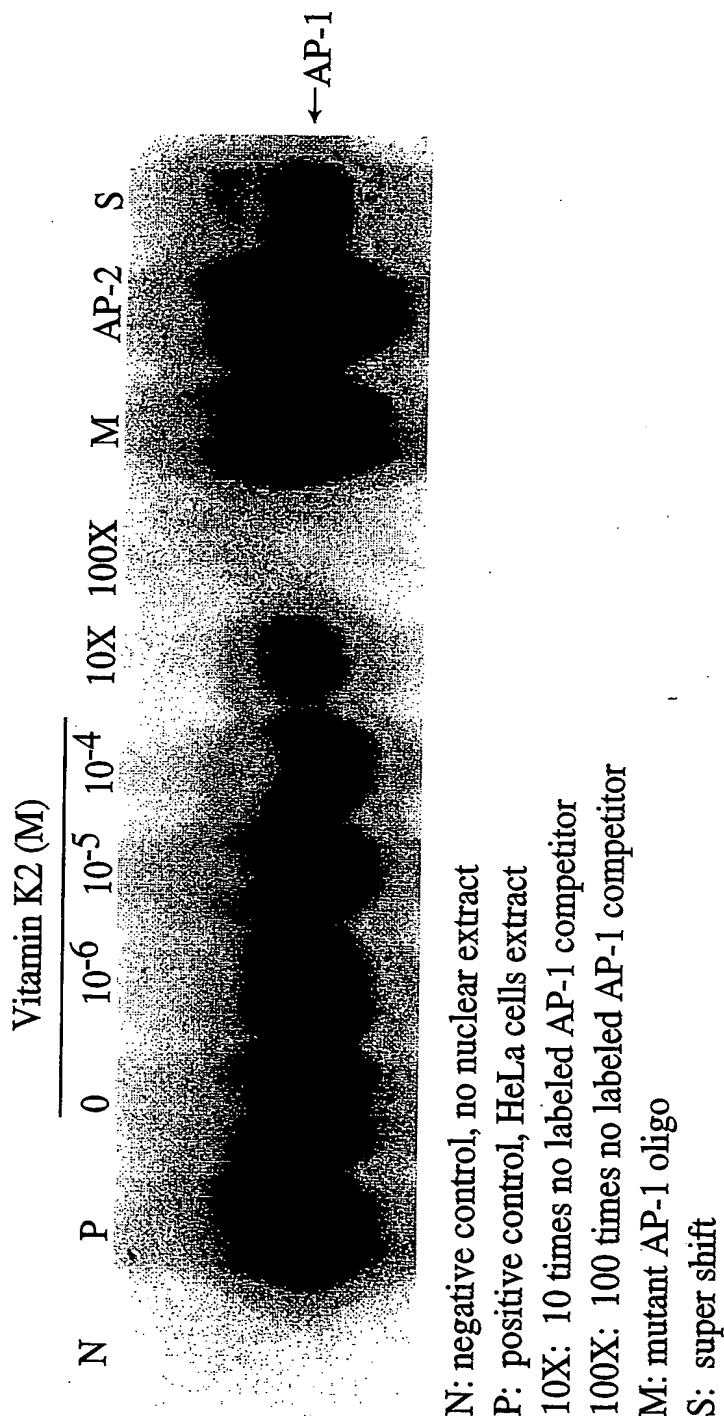


FIG. 7

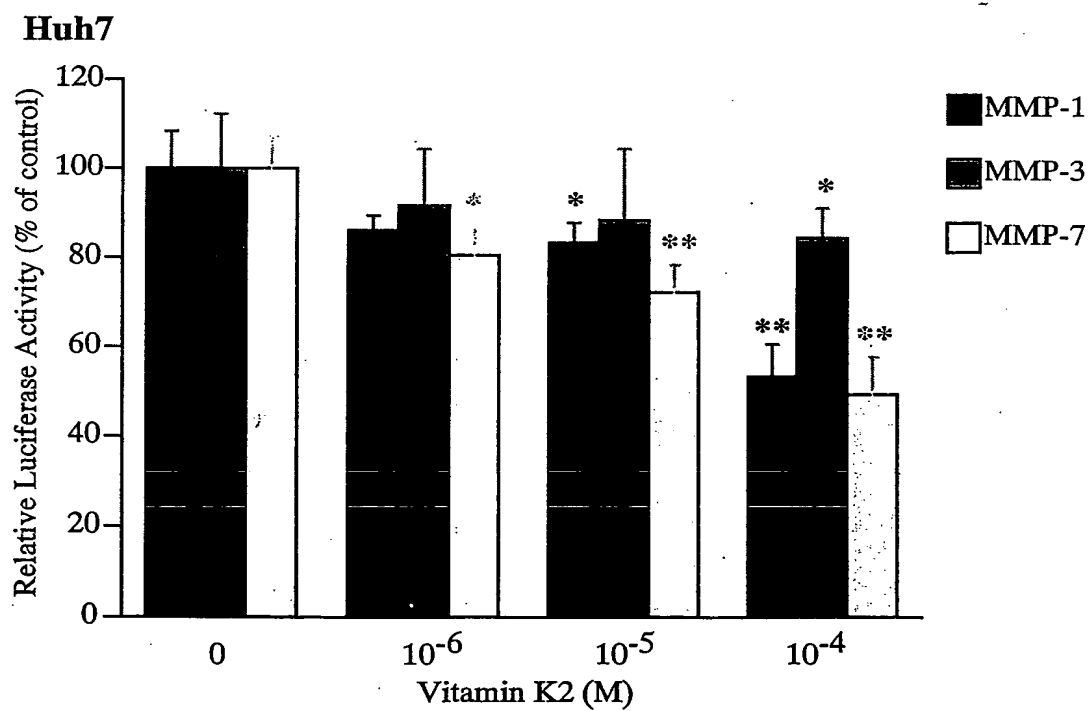
Vitamin K2 inhibit MMP promoter activity in HCC cells

FIG. 8

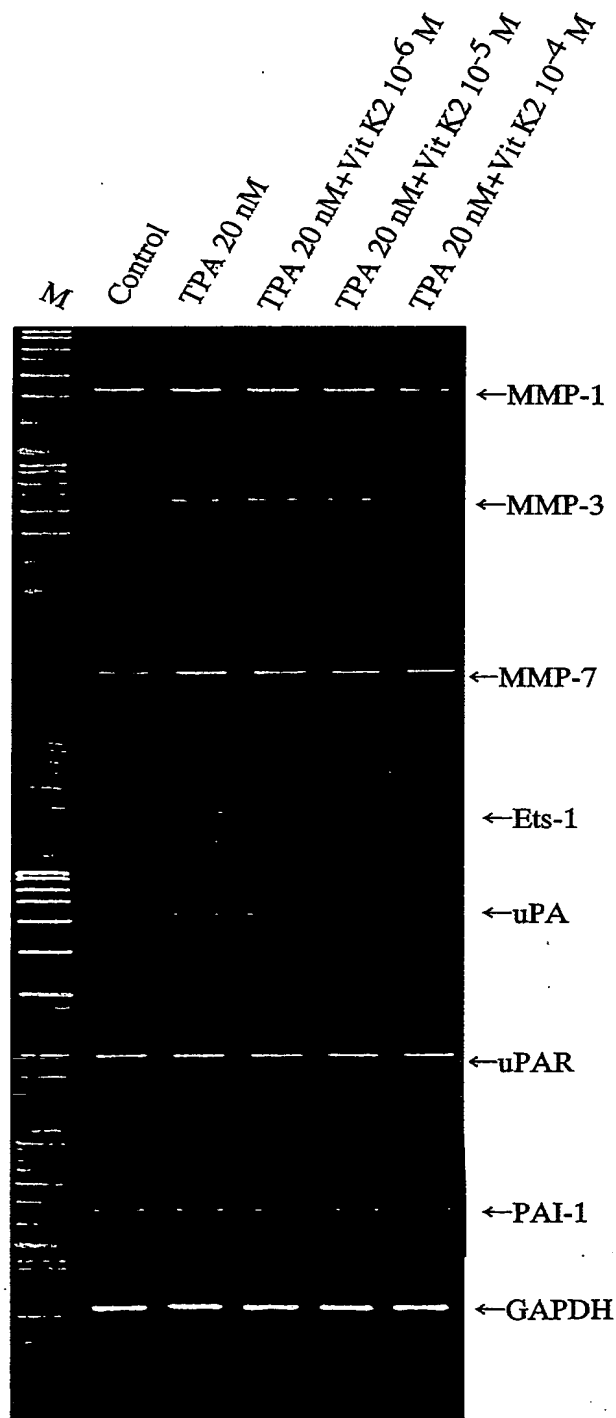
Vitamin K2 inhibits TPA induced invasion-related gene expression in HepG2 cells

FIG. 9

Vitamin K2 inhibits TPA-induced MMP expression in HepG2 cells

